

DOCKETED

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Comment Received From: Darrell Smith

Submitted On: 2/8/2018

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International Window Film Comments to Docket 17-BSTD-02 - 2019 Energy Code

Additional submitted attachment is included below.



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International Window Film Comments on the Title 24, Part 6 Standards 45-day Language

The International Window Film Association (IWFA) is a unified industry body of window film dealers, distributors, and manufacturers that has been the third-party industry source for accurate technical information on window film products and its uses for several decades. IWFA has been an active participant in the development of the 2019 Standards and supports their adoption. IWFA appreciates the opportunity to provide further input on the 2019 Standards Rulemaking.

IWFA would like to request that the window film warranty requirements in Residential Appendix 4.2.2.3 and Nonresidential Appendix 7.4.2.4 be updated from a 10 year Warranty Certificate to a 15 year Warranty Certificate. Window film has significantly improved in durability and effectiveness since the inclusion of this warranty requirement in the Title 24 Standards. The vast majority of window film products in the market are now supported with a 15 year or longer Warranty Certificate so a 15 year warranty requirement would reflect the current market practice in California.

This is not a substantive change to the 2019 45-Day Language because a 5 year increase in the warranty requirement will not change the energy efficiency specifications of the installed window film. Furthermore, since the vast majority of window film installed in California currently have a warranty of 15 or more years, changing the requirement from 10 to 15 years in the Standards will have little to no effect on actual building practice. IWFA will provide to CEC staff current market window film warranties to support this change.

A handwritten signature in black ink, appearing to read 'Darrell Smith', is written over a light blue horizontal line.

Darrell Smith
Executive Director, IWFA

PRODUCT WARRANTY STATEMENT

Congratulations! The installation of Johnson Window Films flat glass films will provide many years of comfort, energy savings and protection. **Residential interior applications come with a manufacturer's lifetime limited warranty, commercial interior applications come with a 12 or 10 year warranty, and all exterior applications are covered for 5 or 2 years (see Warranty Terms).** Johnson Window Films flat glass films are warranted to the original purchaser against cracking, peeling, bubbling, delamination, or demetallization when properly installed and maintained on suitable surfaces of glass windows by an independent installer. This warranty is non-transferable. Your Johnson Window Films dealer is committed to your satisfaction and will continue to be your representative throughout the life of the film covered by this warranty.

WARRANTY LIMITATIONS

Warranty repair liability shall in no case exceed a value greater than the original invoice amount, nor shall warranty repair service be extended to anyone other than the original purchaser of the film. This warranty does not apply to glass breakage or seal failure conditions or damage due to improper care. Installing warranty replacement film will not renew or extend the original warranty coverage time periods.

With the exception of any warranties implied by state law as hereby limited, this warranty is exclusive and in lieu of all other warranties, agreements and similar obligations of Johnson Window Films, Inc., with respect to the repair and/or replacement of the film. Obtaining replacement window film as provided under this warranty is the exclusive remedy under this warranty. In no event shall Johnson Window Films, Inc., be liable in either tort or contract for any loss or damages whether direct, special, consequential or incidental arising out of the use of, or inability to use Johnson Window Films. Except to the extent prohibited by applicable law, any implied warranties, including the implied warranty of merchantability or fitness for a particular purpose, on these products is expressly limited in duration to the duration of this warranty.

Some states do not allow limitations on how long an implied warranty lasts and/or do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation and exclusions may not apply to this warranty. No person, agent, distributor, dealer or company is authorized to change, modify or extend the terms of this warranty or to create or assume for Johnson Window Films, Inc. any other obligation or liability. This warranty gives you specific legal rights which may vary from state to state.

EXTERIOR APPLICATION LIMITATIONS

Exterior film applications are warranted for a period of five (5) years for vertical installations (i.e. standard windows) or two (2) years for horizontal or sloped installations. SUNLIGHT film, and Exterior metallized films (DN EXT, SS EXT & SV EXT) must have edges fully sealed to validate coverage.

INSTALLATION INFORMATION

Must be legible and filled out completely to validate this Warranty.

| Location | Square Footage |
|----------|----------------|
| _____ | _____ |
| _____ | _____ |
| _____ | _____ |
| _____ | _____ |

DEALER INFORMATION

NAME _____

PHONE NUMBER _____

STREET ADDRESS _____ SUITE/UNIT # _____

CITY _____ STATE _____ ZIP CODE _____

NOTE: This is a warranty form only and does not qualify as an invoice. Your dealer invoice is your proof of purchase and is required to validate this warranty. Write legibly and fill out completely.

Please keep this warranty form. It, combined with the original invoice, is your proof of purchase of Johnson Window Films products and must be presented with any claim!



THE ORIGINAL INVOICE FROM YOUR DEALER IS REQUIRED TO VERIFY YOUR PURCHASE. KEEP IT WITH THIS WARRANTY FORM TO FACILITATE VALIDATION OF FILM PURCHASE AND FILM TYPE.

WARRANTY TERMS

Residential - Lifetime Limited Warranty
Commercial - 10 Year Limited Warranty

INTERIOR APPLICATIONS

Sunlight film above must have edges fully sealed to validate coverage.

Residential - Lifetime Limited Warranty • Commercial - 12 Year Limited Warranty

DaylightNatural.
(DN)

ScenicView.
(SV)

Sunset Bronze.
(SB)

NightScope.
(NS)

Trident.
(SEC, S4)

Solar Silver.
(SS)

Palisade.
(PD)

10 Year Limited Warranty

Specialty Series
(MBL, MGN, MGD, UVCLR, WHTFST, BLKOUT)

EXTERIOR APPLICATIONS | 5 or 2 Year Warranty

Five (5) year warranty on VERTICAL (standard windows) exterior applications.
Two (2) year warranty on HORIZONTAL or SLOPED exterior applications.

DaylightNatural.EXT
(DN35EXT, DN20EXT)

Solar Silver.EXT
(SS35EXT, SS20EXT)

ScenicView.EXT
(SV50EXT, SV25EXT, SV10EXT)

DN EXT, SS EXT and SV EXT exterior metallized films above must have edges fully sealed to validate coverage.

2 Year Warranty

DEFENDOR.
(AG)

| | | | | |
|-----------------|--------------------------------------|------------------------------------|---------------------------|------------------------------------|
| EXAMPLE: | Location <u>South-side facing</u> | Square Feet <u>158 sq. feet</u> | Film Type <u>DN 35</u> | Roll Number <u>9081234-62-1</u> |
| | Film Type | | Roll Number (MANDATORY) | |
| | _____ | _____ | _____ | |
| | _____ | _____ | _____ | |
| | _____ | _____ | _____ | |
| | _____ | _____ | _____ | |

CUSTOMER INFORMATION

NAME _____

PHONE NUMBER _____

STREET ADDRESS _____ SUITE/UNIT # _____

CITY _____ STATE _____ ZIP CODE _____

We often contact our customers to follow-up on your continued satisfaction.

VALIDATION

DATE _____

\$ _____
INSTALLATION TOTAL
(Attach dealer invoice to this warranty.)

X

CUSTOMER'S SIGNATURE _____

Johnson Window Films respects your privacy. We do not sell, rent, loan or transfer any personal information regarding our customers to any unrelated third parties. Roll numbers and customer signature are MANDATORY.

DATE _____

SUNSCAPE

DESIGNER WINDOW FILMS BY MADICO

SELECT™

COMMERCIAL LIMITED WARRANTY

Congratulations!

Your dealer has installed SUNSCAPE SELECT window film, manufactured by Madico, Inc., hereinafter referred to as Madico.

15 Year Limited Product Warranty

Subject to the terms, conditions and limitations provided herein, Madico warrants SUNSCAPE SELECT window films to be free from defect when properly applied to the interior glass surface of commercial buildings for a period of fifteen years from the date of installation of the window film. This commercial limited warranty coverage is non-transferable.

5 Year Limited Glass Breakage Warranty

All SUNSCAPE SELECT window films include limited coverage against thermal stress and thermal expansion glass breakage caused as a direct result of an approved commercial installation on vertical glass only. The coverage period is five years from the original film installation completion date. See reverse side of this certificate for important details about the conditions, scope and applicability of this glass breakage warranty coverage. This five year limited glass breakage warranty coverage is applicable only to the original purchaser of the SUNSCAPE SELECT window film and is non-transferable.

5 Year Limited IG Unit Seal Failure Warranty

Five year coverage for insulated glass (IG) seal failure is also included with the limited glass breakage warranty, although it is only on applicable IG units with approved film-to-glass applications. The coverage period is five years from the original film installation completion date. This warranty is subject to the terms, conditions and limitations provided herein, and subject to proof that manufacturer's warranty on the windows is in force at the time of film installation. See reverse side of this certificate for important details about the conditions, scope and applicability of this IG unit seal failure warranty coverage. This five year limited IG seal failure warranty coverage is applicable only to the original purchaser of the SUNSCAPE SELECT window film and is non-transferable.

Product Warranty Coverage

In the unlikely event that a SUNSCAPE SELECT film with fifteen year commercial limited product warranty coverage should experience adhesive failure, bubbling, cracking, crazing, delamination, demetallization or change of color, Madico will provide replacement film and reimburse the reasonable and customary labor costs, to an independent window film dealer to remove the defective film and install the replacement film. Any independent window film dealer can be authorized by the Madico warranty service department to remove and replace the defective film. Warranty repair liability shall in no case exceed a value greater than the original invoice amount, nor shall warranty repair service be extended to anyone other than the company that originally purchased the film. Installing warranty replacement film will not renew or extend the original warranty coverage time periods as stated on this contract.

This warranty is the sole and exclusive warranty provided by Madico for the SUNSCAPE SELECT window film, or for glass breakage or IG unit seal failure. **No other warranties, express or implied, are provided with this product, and implied warranties of merchantability and/or fitness for a particular purpose are expressly disclaimed.** In addition, all other liabilities

that might arise with respect to the sale of this product or other service either in contract or tort, including without limitation strict liability based upon statute or common law, and liability based upon negligence of Madico or its agents, are expressly disclaimed and negated. The remedy provided herein shall be the sole and exclusive remedy for any loss arising out of the sale, application and/or use of this product; *except as provided herein, Madico shall not under any circumstances be responsible for or liable to any party for any economic loss or physical harm or any incidental, consequential or special damages.* Some states do not allow limitations on how long an implied warranty lasts and/or do not allow the exclusion or limitation of incidental or consequential damages, so the above may not apply to you.

Madico shall not be liable for any loss, damage, expense or cost caused in whole or in part by improper installation, improper care or maintenance of the product, non-conforming applications or uses, or any other events not directly caused by the quality of the product, or the quality of the workmanship of the window glass or IG unit. This warranty may not be modified in any respect except by the express written agreement of Madico.

How to Make a Claim

Madico provides a toll-free warranty service department phone number for North America. The number is 1-800-255-1926 and can be used Monday through Friday, 8am to 5pm EST. To initiate a claim for product failure, glass breakage or IG unit seal failure, the original purchaser must be prepared to present a copy of the installing SUNSCAPE SELECT dealer's proof of purchase invoice, a valid and properly completed warranty certificate and, in case of seal failure, a copy of the IG units original seal failure warranty coverage. The installing dealer need not be present to file a warranty claim. The product warranty coverage applies only to the quality of the film product and does not insure the quality of the installation performed by the dealer.

Film Dry Out Time

The mounting solution used during the installation of your SUNSCAPE SELECT window films may require a period of time to dry out. Cold and/or cloudy weather conditions can lengthen the dry out time of a SUNSCAPE SELECT film, while warm weather and direct sun light exposure will shorten the dry out time. Small water beads and slightly cloudy look may appear during the dry out period. If slow drying does occur, do not become alarmed, it is a part of the natural curing process.

Window Film Care & Maintenance

To obtain maximum service life from your SUNSCAPE SELECT window film product, note the following instructions for proper care maintenance. **DO NOT CLEAN THE FILM FOR 30 DAYS AFTER INSTALLATION.** This will help secure proper curing of the adhesive system to the glass. Do not use bristle brushes, abrasive scrubbing sponges or any other cleaning materials that could scratch the film. Always use fresh clean soft materials to wash and dry your window film surfaces. Do not use solutions that contain abrasive materials. Common household window cleaning solutions may be safely used to clean your windows.

SEE REVERSE SIDE FOR TERMS & CONDITIONS REGARDING THIS WARRANTY.

ALL INFORMATION MUST BE COMPLETED.

Customer Information

Name: _____

Address: _____

City/State/Zip: _____

Phone: _____ Signature: _____

Dealer Information

Dealer Name: _____

Business Name: _____

Address: _____

City/State/Zip: _____

Phone: _____ Signature: _____

Film Installation Information

Installation Date: _____

Glass Type (Check): Single Pane Double Pane Clear Tinted

Annealed Tempered Reflective: Yes No

Glass Thickness: _____" Low-E: Yes No

Film Type(s): _____

Roll #(s) _____

Total square footage installed: _____

Number of panes filmed Single Pane: _____ Double Pane: _____

Has any previous glass breakage of seal failure occurred? Yes No

Send completed yellow copy to: Madico, Inc. • Warranty Department • 64 Industrial Parkway • Woburn, MA 01801

206108

WHITE: CUSTOMER YELLOW: MADICO, INC. PINK: DEALER

V0566-R03

3M™ Sun Control Window Film Warranty

Commercial Limited 15 Year Product Warranty

Warranty ID#

Product Warranty, Limited Remedy and Disclaimer:

3M Company and the 3M Authorized Window Film Dealer (collectively referred to as “Seller”) warrant for Fifteen (15) Years from installation, and provided that the product is maintained in accordance with the Window Care Instructions below, that the 3M Sun Control Window Film will:

- Maintain **Solar Reflective Properties** without cracking, crazing, or peeling
- Maintain **Adhesion Properties** without blistering, bubbling, or delaminating from the glass
- Maintain **Appearance** without discoloration

If the 3M product does not conform to this warranty, the sole and exclusive remedy is:

- Replacement of the **Quantity of Film** proved to be defective; and
- Provide **Removal and Reapplication Labor of like quality Product free of charge**

Seller also warrants against **glass failure** due to thermal shock fracture, (maximum value of \$500 per window) caused only as a direct result of the application of 3M Sun Control Window Film provided the film is applied to recommended types of glass and the glass failure is reported to the Seller within the specified time (listed below) from the start of the installation.

- Sixty (60) months coverage against thermal shock fracture
- Any glass failure covered by this warranty must be reviewed by Seller prior to repair, and only covers film and glass replacement.

This warranty is only to the original purchaser of the Product(s) from Seller, is not transferable and is further subject to the terms and conditions set forth herein. 3M MAKES NO OTHER EXPRESS OR IMPLIED WARRANTIES OR CONDITIONS, INCLUDING ANY IMPLIED WARRANTY OF CONDITION OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Except where prohibited by law, 3M will not be liable for any indirect, special, incidental or consequential damages, regardless of the legal theory asserted.

The Product Warranty applies only when Product is maintained in accordance with Window Care Instructions, when the Product is properly installed. This Product Warranty does not cover misuse, abuse or acts of God. **This Product Warranty covers U.S. Installations only.**

Claims Process:

To obtain warranty service, please contact your 3M Authorized Window Film Dealer at:

Important Notice: Window Care Instructions

3M Sun Control Window Films may be washed with common washing solutions, including ammonia-based products, **thirty (30) days after installation**. Abrasive type cleaning agents and bristle brushes which would scratch the film must not be used. Synthetic sponges, squeegees, or soft cloths are recommended to be used with the cleaning solution. **To maintain your warranty, do not use tape or other adhesive products on the film.**

Important Notice: Temporary Appearance:

After installation, there may be a hazy appearance on your windows. This condition is temporary and is caused by the moisture that is present when applying the film. This hazy appearance will disappear after the film dries which may take up to thirty (30) days for the film to completely dry. Cold weather conditions may require additional time.

Product Number:

Run Number:

Sq. Ft. of Glass Covered:

3M™ Sun Control Window Film Warranty

Residential Limited Lifetime Product Warranty

Warranty ID#

Product Warranty, Limited Remedy and Disclaimer:

3M and the 3M Authorized Window Film Dealer (collectively referred to as "Seller") warrant to the original purchaser who owns and lives in the residence where the 3M Sun Control Window Film is installed, and provided that the product is maintained in accordance with the Window Care Instructions, that the 3M Safety & Security Window Films will:

- Maintain **Solar Reflective Properties** without cracking, crazing, or peeling
- Maintain **Adhesion Properties** without blistering, bubbling, or delaminating from the glass
- Maintain **Appearance** without discoloration

If the 3M product does not conform to this warranty, the sole and exclusive remedy is:

- Replacement of the **Quantity of Film** proved to be defective; and
- Provide **Removal and Reapplication Labor of like quality Product free of charge**

Seller also warrants against **glass failure** due to thermal shock fracture, (maximum value of \$500 per window) caused only as a direct result of the application of 3M Sun Control Window Film provided the film is applied to recommended types of glass and the glass failure is reported to the Seller within the specified time (listed below) from the start of the installation.

- Sixty (60) months coverage against thermal shock fracture
- Any glass failure covered by this warranty must be reviewed by Seller prior to repair, and only covers film and glass replacement.

This warranty is only to the original purchaser of the Product(s) from Seller, is not transferable and is further subject to the terms and conditions set forth herein. 3M MAKES NO OTHER EXPRESS OR IMPLIED WARRANTIES OR CONDITIONS, INCLUDING ANY IMPLIED WARRANTY OF CONDITION OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Except where prohibited by law, 3M will not be liable for any indirect, special, incidental or consequential damages, regardless of the legal theory asserted.

The Product Warranty applies only when Product is maintained in accordance with Window Care Instructions, when the Product is properly installed. This Product Warranty does not cover misuse, abuse or acts of God. **This Product Warranty covers U.S. Installations only.**

Claims Process:

To obtain warranty service, please contact your 3M Authorized Window Film Dealer at:

Important Notice: Window Care Instructions

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After installation, there may be a hazy appearance on your windows. This condition is temporary and is caused by the moisture that is present when applying the film. This hazy appearance will disappear after the film dries which may take up to thirty (30) days for the film to completely dry. Cold weather conditions may require additional time.

Product Number:

Run Number:

Sq. Ft. of Glass Covered:



Architectural Film Warranty

April 2016

Product Warranty Statement

Hanita Coatings warrants all SolarZone and SafetyZone brand window films sold and professionally installed to the interior or exterior side of glass against cracking, changing color, crazing, delaminating, demetalizing and adhesive failure as per the table below. Recommendations by the manufacturer, verbal or in writing are not to be considered confirmation of coverage by this warranty certificate. In the event of film failure, Hanita Coatings will replace the film, (or issue credit for the film) and re-installation labor of only such quantity of film product determined to be defective by the manufacturer.

The Limited Warranty coverage begins at the time of installation completion. This Limited Warranty covers only window films approved by the manufacturer for flat glass application, according to the most recent Film to Glass Application Chart at the time of installation.

Glass Breakage and Seal Failure Limited Warranty Statement

Hanita Coatings offers Limited Warranty protection against glass breakage due to thermal stress shock fracture, and insulated glass (IG) seal failure. (*see terms and conditions overleaf).

| | Interior | Warranty Duration | | |
|------------|----------------------------------|---|--------------------------|-------------------------|
| | | Commercial | Residential | |
| SolarZone | Silver | 20 • 35 • 50 | 15 years | Lifetime ² |
| | | 20 Low-E • 35 Low-E | 10 years | Lifetime ² |
| | Solar Bronze | 20 • 35 | 15 years | Lifetime ² |
| | PerLite previously Cold Steel | 20 • 35 • 50 • 70 | 15 years | Lifetime ² |
| | Natura | 07 • 15 • 28 | 15 years | Lifetime ² |
| | OptiTune | 05 • 15 • 22 • 30 • 40 | 15 years | Lifetime ² |
| | OptiShade | 15 • 25 • 35 | 15 years | Lifetime ² |
| | Matte | 2 mil | 15 years | Lifetime ² |
| | e-Lite | 45 • 70 | 10 Years ¹ | Lifetime ¹⁺² |
| | | Black Out • White Out | 5 years | 5 years |
| SafetyZone | Clear | 4 Mil • 7 Mil • 8 Mil 11 Mil • 12 Mil • 15 Mil | 15 years | Lifetime ² |
| | | Silver | 20 (4, 9, 12 mil) | 15 years |
| | PerLite previously Cold Steel | 35 (6, 10 mil) 50 (6, 10 mil) | 15 years | Lifetime ² |
| | | OptiTune | 22 (5 mil) • 30 (10 mil) | 15 years |
| | Matte | 5 Mil • 12 Mil | 12 years | 12 Years |
| | e-Lite | 70 (8 mil) | 10 years ¹ | 10 years ¹ |

- Edge Sealing required within a distance of 10 miles/16km from the sea.** Use Dow Corning 795 or 1199 (clear) No edge sealing required on such location in case of fixed/stationary/immovable windows that are not exposed to environment.
- For SolarZone films** applied to the interior side of glass, a limited lifetime warranty is offered for residential installations to the original consumer as long as they own and live in the home. This limited warranty is extended to the original purchaser and is non-transferable if there is a change of ownership of the home in which film has been installed

| | Exterior | Warranty Duration | | |
|-----------------|-----------------|--------------------------|-----------------------------|-----------------|
| | | Vertical | Horizontal/ Sloped | |
| SolarZone XTRM | XTRM Silver | 20X | Up to 15 years* | 5 years |
| | | 35X | 10 years* | 5 years* |
| | XTRM SkyLite | S20X | - | Up to 10 years* |
| | | PolyZone SkyLite | - | 10 years |
| XTRM Titan | 07 • 20 • 35 | 8 years (Up to 10*) | 4 years | |
| SolarZone Xtra | Silver | 20 Xtra • 35 Xtra | 7 years | 4 years |
| | | 50 Xtra | 4 years | 3 years |
| | | Matte Xtra | 5 years | 3 years |
| | | PolyZone 20 Xtra | 4 years | 3 years |
| | Titan | 07 Xtra | 5 years | 3 years |
| | | 20 Xtra • 35 Xtra | 5 years** | 3 years |
| | | 50 Xtra | 4 years | 2 years |
| | Solar Bronze | 20 Xtra • 35 Xtra | 4 years | 3 years |
| | OptiLite | 75 Xtra | 5 years | 3 years |
| | e-Lite | 45 Xtra • 70 Xtra | 7 years | 3 years |
| SafetyZone Xtra | Clear | 4 Mil Xtra • 7 Mil Xtra | 5 years | 3 years |
| | Anti-Graffiti | 4 Mil Universal | 3 years (10 years interior) | 2 years |
| | | 6 Mil Universal | | |
| | | PolyZone Xtra (4, 6 Mil) | 3 years | 2 years |
| Silver | 20 Xtra (5 Mil) | 5 years | 3 years | |

All exterior films require edge sealing; use sealing agent Dow Corning 795 or 791, Max 5000 by GE or equivalent neutral approved silicone seal agent for external application.

- * See terms and conditions
- ** 5th year prorated to 30% film value

SEE TERMS AND CONDITIONS OVERLEAF



MM-WF-ee-Cor-Fli-War-En-HC-16.3



Architectural Film Warranty

April 2016

Product Warranty Statement

Hanita Coatings warrants all SolarZone and SafetyZone brand window films sold and professionally installed to the interior or exterior side of glass against cracking, changing color, crazing, delaminating, demetalizing and adhesive failure as per the table below. Recommendations by the manufacturer, verbal or in writing are not to be considered confirmation of coverage by this warranty certificate. In the event of film failure, Hanita Coatings will replace the film, (or issue credit for the film) and re-installation labor of only such quantity of film product determined to be defective by the manufacturer.

The Limited Warranty coverage begins at the time of installation completion. This Limited Warranty covers only window films approved by the manufacturer for flat glass application, according to the most recent Film to Glass Application Chart at the time of installation.

Glass Breakage and Seal Failure Limited Warranty Statement

Hanita Coatings offers Limited Warranty protection against glass breakage due to thermal stress shock fracture, and insulated glass (IG) seal failure. (*see terms and conditions overleaf).

| | Interior | Warranty Duration | | |
|------------|----------------------------------|---|--------------------------|-------------------------|
| | | Commercial | Residential | |
| SolarZone | Silver | 20 • 35 • 50 | 15 years | Lifetime ² |
| | | 20 Low-E • 35 Low-E | 10 years | Lifetime ² |
| | Solar Bronze | 20 • 35 | 15 years | Lifetime ² |
| | PerLite previously Cold Steel | 20 • 35 • 50 • 70 | 15 years | Lifetime ² |
| | Natura | 07 • 15 • 28 | 15 years | Lifetime ² |
| | OptiTune | 05 • 15 • 22 • 30 • 40 | 15 years | Lifetime ² |
| | OptiShade | 15 • 25 • 35 | 15 years | Lifetime ² |
| | Matte | 2 mil | 15 years | Lifetime ² |
| | e-Lite | 45 • 70 | 10 Years ¹ | Lifetime ¹⁺² |
| | | Black Out • White Out | 5 years | 5 years |
| SafetyZone | Clear | 4 Mil • 7 Mil • 8 Mil 11 Mil • 12 Mil • 15 Mil | 15 years | Lifetime ² |
| | | Silver | 20 (4, 9, 12 mil) | 15 years |
| | PerLite previously Cold Steel | 35 (6, 10 mil) 50 (6, 10 mil) | 15 years | Lifetime ² |
| | | OptiTune | 22 (5 mil) • 30 (10 mil) | 15 years |
| | Matte | 5 Mil • 12 Mil | 12 years | 12 Years |
| | e-Lite | 70 (8 mil) | 10 years ¹ | 10 years ¹ |

- Edge Sealing required within a distance of 10 miles/16km from the sea.** Use Dow Corning 795 or 1199 (clear) No edge sealing required on such location in case of fixed/stationary/immovable windows that are not exposed to environment.
- For SolarZone films** applied to the interior side of glass, a limited lifetime warranty is offered for residential installations to the original consumer as long as they own and live in the home. This limited warranty is extended to the original purchaser and is non-transferable if there is a change of ownership of the home in which film has been installed

| | Exterior | Warranty Duration | | |
|-----------------|-----------------|--------------------------|-----------------------------|-----------------|
| | | Vertical | Horizontal/ Sloped | |
| SolarZone XTRM | XTRM Silver | 20X | Up to 15 years* | 5 years |
| | | 35X | 10 years* | 5 years* |
| | XTRM SkyLite | S20X | - | Up to 10 years* |
| | | PolyZone SkyLite | - | 10 years |
| XTRM Titan | 07 • 20 • 35 | 8 years (Up to 10*) | 4 years | |
| SolarZone Xtra | Silver | 20 Xtra • 35 Xtra | 7 years | 4 years |
| | | 50 Xtra | 4 years | 3 years |
| | | Matte Xtra | 5 years | 3 years |
| | | PolyZone 20 Xtra | 4 years | 3 years |
| | Titan | 07 Xtra | 5 years | 3 years |
| | | 20 Xtra • 35 Xtra | 5 years** | 3 years |
| | | 50 Xtra | 4 years | 2 years |
| | Solar Bronze | 20 Xtra • 35 Xtra | 4 years | 3 years |
| | OptiLite | 75 Xtra | 5 years | 3 years |
| | e-Lite | 45 Xtra • 70 Xtra | 7 years | 3 years |
| SafetyZone Xtra | Clear | 4 Mil Xtra • 7 Mil Xtra | 5 years | 3 years |
| | Anti-Graffiti | 4 Mil Universal | 3 years (10 years interior) | 2 years |
| | | 6 Mil Universal | | |
| | | PolyZone Xtra (4, 6 Mil) | 3 years | 2 years |
| Silver | 20 Xtra (5 Mil) | 5 years | 3 years | |

All exterior films require edge sealing; use sealing agent Dow Corning 795 or 791, Max 5000 by GE or equivalent neutral approved silicone seal agent for external application.

- * See terms and conditions
- ** 5th year prorated to 30% film value

SEE TERMS AND CONDITIONS OVERLEAF



MM-WF-ee-Cor-Fli-War-En-HC-16.3

SOLAR CONTROL

APPLICATIONS: COMMERCIAL

- 5 Year Limited Warranty** for LLumar products DL05GSRCDF, DL15BSRCDF, DL15GSRCDF, DL30GNSRHPR, R15BLSRHPR, and R15GOSRHPR.
- 7 Year Limited Warranty** for LLumar products R15BSRCDF and R15GSRCDF.
- 10 Year Limited Warranty** for LLumar products AU85UVSRHPR, DR15SRCDF, DRN25SRCDF, DRN35SRCDF, E1220SRCDF, N1020SRCDF, N1020BSRCDF, N1035BSRCDF, N1040SRCDF, N1050SRCDF, N1065SRCDF, R20SRCDF, R35SRCDF, R50SRCDF, and RN07SRCDF.
- 15 Year Limited Warranty** for LLumar product AIR80BLSRHPR.

These warranties are extended to the original purchaser. These products are warranted by the manufacturer against bubbling, corrosion, crazing, delaminating, and peeling when properly installed in accordance with the manufacturer's instructions on suitable INTERIOR surfaces of glass by a duly authorized dealer. If the film fails to comply with the warranty, the manufacturer will replace the non-conforming or defective film (labor and materials) at no cost to the purchaser. A manufacturer-approved edge sealant is required for re-installation if the warranty replacement should be necessary because of corrosion issues.

WARRANTIES FOR COMMERCIAL APPLICATIONS ARE NOT TRANSFERABLE FROM ONE PURCHASER TO ANOTHER.

This warranty is products are w corrosion, craz installed in acco suitable INTERIO If the film fails t will replace the materials) at no

WARRANTIES F TRANSFERABLE

EXTERIOR AP

- 5 Year Limit** NHE20ERHPR and RHE50ER than or equal
- 7 Year Limite** NHE20ERHPR and RHE50ER

These warranties products are war crazing, or delamin with the manufactu surfaces of glass w duly authorized de warranty, the manu defective film (labor

WARRANTIES FOR TRANSFERABLE F

INSTALLATION RECORD (press hard)

| | |
|-----------------------|--------------------|
| Contact Name | Date |
| Customer Name (print) | Customer Signature |



Llumar Window Film Limited Warranty

Ceramic 55, Ceramic 65, V14SRCDF, V18SRCDF, V28SRCDF, V33SRCDF, V38SRCDF, V45SRCDF, V48SRCDF, and V58SRCDF and EnerLogic product VEP70.

- 15 Year Limited Warranty** for EnerLogic product VEP35SRCDF where the film IS required to be sealed if application is within 10 kilometers of the ocean.

These warranties are extended to the original purchaser. These products are warranted by the manufacturer against bubbling, corrosion, crazing, delaminating, and peeling when properly installed in accordance with the manufacturer's instructions on suitable INTERIOR surfaces of glass by a duly authorized dealer. If the film fails to comply with the warranty, the manufacturer will replace the non-conforming or defective film (labor and materials) at no cost to the purchaser. A manufacturer-approved edge sealant is required for re-installation if the warranty replacement should be necessary because of corrosion issues.

WARRANTIES FOR COMMERCIAL APPLICATIONS ARE NOT TRANSFERABLE FROM ONE PURCHASER TO ANOTHER.

SAFETY-AND-SECURITY APPLICATIONS

- 10 Year Safety-and-Security Film Limited Warranty: Commercial Applications**
- Lifetime Safety-and-Security Film Limited Warranty: Residential Applications** for Llumar products N1020SRPS4, N1020SRPS8, N1040SRPS4, N1040SRPS8, N1050SRPS4, N1050SRPS8, NUV65SRPS4, R20SRPS4, R20SRPS8, SCLSRPS2, SCLSRPS4, SCLSRPS6, SCLSRPS7, SCLSRPS8, SCLSRPS11, and SCLSRPS15 and Vista Products V28SRPS8 and V38SRPS8.

These warranties are extended to the original purchaser. The products are warranted by the manufacturer against corrosion, crazing, delaminating, and peeling when properly installed in accordance with the manufacturer's instructions on suitable INTERIOR surfaces of glass by a duly authorized dealer. If the film fails to comply with the warranty, the manufacturer will replace the non-conforming or defective film (labor and materials) at no cost to the purchaser. This warranty includes labor and material on safety-and-security films less than 7 mils thickness. Films that are 7 mils thickness and greater require the dealer to be approved by the manufacturer prior to installation to obtain a valid film and labor warranty.

These warranties are warranted against delaminating, bubbling, and peeling when properly installed in accordance with the manufacturer's instructions on suitable INTERIOR surfaces of glass by a duly authorized dealer. If the film fails to comply with the warranty, the manufacturer will replace the non-conforming or defective film (labor and materials) at no cost to the purchaser.

WARRANTIES ARE NOT TRANSFERABLE

ANTI-GRAB

- 2 Year Limited Warranty** for GCLSRPS2

This warranty is extended to the original purchaser. These products are warranted by the manufacturer against corrosion, crazing, delaminating, and peeling when properly installed in accordance with the manufacturer's instructions on suitable INTERIOR surfaces of glass by a duly authorized dealer. If the film fails to comply with the warranty, the manufacturer will replace the non-conforming or defective film (labor and materials) at no cost to the purchaser.

WARRANTIES ARE NOT TRANSFERABLE

GLASS BREAKAGE

- 2 Year Glass Breakage Limited Warranty**
- 5 Year Glass Breakage Limited Warranty**
- Not Applicable**
- Available for**

PLEASE SEE THE ORIGINAL WARRANTY FOR GLASS BREAKAGE AND SHATTER RESISTANCE. These warranties are extended to the original purchaser. These products are warranted by the manufacturer against glass breakage and shattering when properly installed in accordance with the manufacturer's instructions on suitable INTERIOR surfaces of glass by a duly authorized dealer. If the film fails to comply with the warranty, the manufacturer will replace the non-conforming or defective film (labor and materials) at no cost to the purchaser.

• Must have existing manufacturer's warranty.



Llumar Window Film Limited Warranty

Ceramic 55, Ceramic 65, V14SRCDF, V18SRCDF, V28SRCDF, V33SRCDF, V38SRCDF, V45SRCDF, V48SRCDF, and V58SRCDF and EnerLogic product VEP70.

- 15 Year Limited Warranty** for EnerLogic product VEP35SRCDF where the film IS required to be sealed if application is within 10 kilometers of the ocean.

These warranties are extended to the original purchaser. These products are warranted by the manufacturer against bubbling, corrosion, crazing, delaminating, and peeling when properly installed in accordance with the manufacturer's instructions on suitable INTERIOR surfaces of glass by a duly authorized dealer. If the film fails to comply with the warranty, the manufacturer will replace the non-conforming or defective film (labor and materials) at no cost to the purchaser. A manufacturer-approved edge sealant is required for re-installation if the warranty replacement should be necessary because of corrosion issues.

WARRANTIES FOR COMMERCIAL APPLICATIONS ARE NOT TRANSFERABLE FROM ONE PURCHASER TO ANOTHER.

SAFETY-AND-SECURITY APPLICATIONS

- 10 Year Safety-and-Security Film Limited Warranty: Commercial Applications**
- Lifetime Safety-and-Security Film Limited Warranty: Residential Applications** for Llumar products N1020SRPS4, N1020SRPS8, N1040SRPS4, N1040SRPS8, N1050SRPS4, N1050SRPS8, NUV65SRPS4, R20SRPS4, R20SRPS8, SCLSRPS2, SCLSRPS4, SCLSRPS6, SCLSRPS7, SCLSRPS8, SCLSRPS11, and SCLSRPS15 and Vista Products V28SRPS8 and V38SRPS8.

These warranties are extended to the original purchaser. The products are warranted by the manufacturer against corrosion, crazing, delaminating, and peeling when properly installed in accordance with the manufacturer's instructions on suitable INTERIOR surfaces of glass by a duly authorized dealer. If the film fails to comply with the warranty, the manufacturer will replace the non-conforming or defective film (labor and materials) at no cost to the purchaser. This warranty includes labor and material on safety-and-security films less than 7 mils thickness. Films that are 7 mils thickness and greater require the dealer to be approved by the manufacturer prior to installation to obtain a valid film and labor warranty.

These warranties are warranted against delaminating, bubbling, and peeling when properly installed in accordance with the manufacturer's instructions on suitable INTERIOR surfaces of glass by a duly authorized dealer. If the film fails to comply with the warranty, the manufacturer will replace the non-conforming or defective film (labor and materials) at no cost to the purchaser.

WARRANTIES ARE NOT TRANSFERABLE

ANTI-GRAB

- 2 Year Limited Warranty** for GCLSRPS2

This warranty is extended to the original purchaser. These products are warranted by the manufacturer against corrosion, crazing, delaminating, and peeling when properly installed in accordance with the manufacturer's instructions on suitable INTERIOR surfaces of glass by a duly authorized dealer. If the film fails to comply with the warranty, the manufacturer will replace the non-conforming or defective film (labor and materials) at no cost to the purchaser.

WARRANTIES ARE NOT TRANSFERABLE

GLASS BREAKAGE

- 2 Year Glass Breakage Limited Warranty**
- 5 Year Glass Breakage Limited Warranty**
- Not Applicable**
- Available for**

PLEASE SEE THE ORIGINAL WARRANTY CARD FOR BREAKAGE AND SECURITY FILM WARRANTY. These warranties are extended to the original purchaser. These products are warranted by the manufacturer against corrosion, crazing, delaminating, and peeling when properly installed in accordance with the manufacturer's instructions on suitable INTERIOR surfaces of glass by a duly authorized dealer. If the film fails to comply with the warranty, the manufacturer will replace the non-conforming or defective film (labor and materials) at no cost to the purchaser.

• Must have existing manufacturer's warranty.



Congratulations!

Your dealer has installed SUNSCAPE SELECT window film, manufactured by Madico, Inc., hereinafter referred to as Madico.

Lifetime Limited Product Warranty

Subject to the terms, conditions and limitations provided herein, Madico warrants SUNSCAPE SELECT window films to be free from defect when properly applied to the interior glass surface of residential buildings. This residential limited warranty coverage is non-transferable.

5 Year Limited Glass Breakage Warranty

All SUNSCAPE SELECT window films include limited coverage against thermal stress and thermal expansion glass breakage caused as a direct result of an approved residential installation on vertical glass only. The coverage period is five years from the original film installation completion date. See reverse side of this certificate for important details about the conditions, scope and applicability of this glass breakage warranty coverage. This five year limited glass breakage warranty coverage is applicable only to the original purchaser of the SUNSCAPE SELECT window film and is non-transferable.

5 Year Limited IG Unit Seal Failure Warranty

Five year coverage for insulated glass (IG) seal failure is also included with the limited glass breakage warranty, although it is only on applicable IG units with approved film-to-glass applications. The coverage period is five years from the original film installation completion date. This warranty is subject to the terms, conditions and limitations provided herein, and subject to proof that manufacturer's warranty on the windows is in force at the time of film installation. See reverse side of this certificate for important details about the conditions, scope and applicability of this IG unit seal failure warranty coverage. This five year limited IG seal failure warranty coverage is applicable only to the original purchaser of the SUNSCAPE SELECT window film and is non-transferable.

Product Warranty Coverage

In the unlikely event that a SUNSCAPE SELECT film with lifetime residential limited product warranty coverage should experience adhesive failure, bubbling, cracking, crazing, delamination, demetallization or change of color, Madico will provide replacement film and reimburse the reasonable and customary labor costs, to an independent window film dealer, to remove the defective film and install the replacement film. Any independent window film dealer can be authorized by the Madico warranty service department to remove and replace the defective film. Warranty repair liability shall in no case exceed a value greater than the original invoice amount, nor shall warranty repair service be extended to anyone other than the original purchaser of the film. Installing warranty replacement film will not renew or extend the original warranty coverage time periods as stated on this contract.

This warranty is the sole and exclusive warranty provided by Madico for the SUNSCAPE SELECT window film, or for glass breakage or IG unit seal failure. **No other warranties, express or implied, are provided with this product, and implied warranties of merchantability and/or fitness for a particular purpose are expressly disclaimed.** In addition, all other liabilities

that might arise with respect to the sale of this product or other service either in contract or tort, including without limitation strict liability based upon statute or common law, and liability based upon negligence of Madico or its agents, are expressly disclaimed and negated. **The remedy provided herein shall be the sole and exclusive remedy for any loss arising out of the sale, application and/or use of this product; except as provided herein, Madico shall not under any circumstances be responsible for or liable to any party for any economic loss or physical harm or any incidental, consequential or special damages.** Some states do not allow limitations on how long an implied warranty lasts and/or do not allow the exclusion or limitation of incidental or consequential damages, so the above may not apply to you.

Madico shall not be liable for any loss, damage, expense or cost caused in whole or in part by improper installation, improper care or maintenance of the product, non-conforming applications or uses, or any other events not directly caused by the quality of the product, or the quality of the workmanship of the window glass or IG unit. This warranty may not be modified in any respect except by the express written agreement of Madico.

How to Make a Claim

Madico provides a toll-free warranty service department phone number for North America. The number is 1-800-255-1926 and can be used Monday through Friday, 8am to 5pm EST. To initiate a claim for product failure, glass breakage or IG unit seal failure, the original purchaser must be prepared to present a copy of the installing SUNSCAPE SELECT dealer's proof of purchase invoice, a valid and properly completed warranty certificate and, in case of seal failure, a copy of the IG units original seal failure warranty coverage. The installing dealer need not be present to file a warranty claim. The product warranty coverage applies only to the quality of the film product and does not insure the quality of the installation performed by the dealer.

Film Dry Out Time

The mounting solution used during the installation of your SUNSCAPE SELECT window films may require a period of time to dry out. Cold and/or cloudy weather conditions can lengthen the dry out time of a SUNSCAPE SELECT film, while warm weather and direct sun light exposure will shorten the dry out time. Small water beads and slightly cloudy look may appear during the dry out period. If slow drying does occur, do not become alarmed, it is a part of the natural curing process.

Window Film Care & Maintenance

To obtain maximum service life from your SUNSCAPE SELECT window film product, note the following instructions for proper care maintenance. **DO NOT CLEAN THE FILM FOR 30 DAYS AFTER INSTALLATION.** This will help secure proper curing of the adhesive system to the glass. Do not use bristle brushes, abrasive scrubbing sponges or any other cleaning materials that could scratch the film. Always use fresh clean soft materials to wash and dry your window film surfaces. Do not use solutions that contain abrasive materials. Common household window cleaning solutions may be safely used to clean your windows.

SEE REVERSE SIDE FOR TERMS & CONDITIONS REGARDING THIS WARRANTY.
ALL INFORMATION MUST BE COMPLETED.

Customer Information

Name: _____
Address: _____
City/State/Zip: _____
Phone: _____ Signature: _____

Dealer Information

Dealer Name: _____
Business Name: _____
Address: _____
City/State/Zip: _____
Phone: _____ Signature: _____

Film Installation Information

Installation Date: _____
Glass Type (Check): Single Pane Double Pane Clear Tinted
 Annealed Tempered Reflective: Yes No
Glass Thickness: _____" Low-E: Yes No
Film Type(s): _____
Roll #(s) _____
Total square footage installed: _____
Number of panes filmed Single Pane: _____ Double Pane: _____
Has any previous glass breakage of seal failure occurred? Yes No

Send completed yellow copy to: Madico, Inc. • Warranty Department • 64 Industrial Parkway • Woburn, MA 01801